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Zeichen/Ref./Réf. <b>Z70640/EP</b>	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n° <b>01300271.2-2116-</b>
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire <b>AstraZeneca AB</b>	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☐ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

NONE

CODE	DATE	NTD
REC'D 01 JUN 01 4:15 PM		
S SRP		
DATA ENTERED DEL/K.L.		
FINAL CHECK HJA		

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	MOEHARIO L H ET AL: "THE HUMAN PYRUVATE DEHYDROGENASE COMPLEX A POLYMORPHIC REGION OF THE LIPOATE ACETYLTRANSFERASE E2 SUBUNIT GENE" BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1097, no. 2, 1991, pages 128-132, XP000993335 ISSN: 0006-3002	1-6,9	C12Q1/68
Y	See page 131, Fig.2, Table 1 and left column, second paragraph. * the whole document *	7,8, 10-12	
X	WO 88 04689 A (AMRAD CORP LTD) 30 June 1988 (1988-06-30)	9,10	
Y	See 70kd mitochondrial antigen of PBC (AC:CAA00430) * the whole document *	1-8,11, 12	
Y	THEKKUMKARA T J ET AL: "NUCLEOTIDE SEQUENCE OF A COMPLEMENTARY DNA FOR THE DIHYDROLIPOAMIDE ACETYLTRANSFERASE COMPONENT OF HUMAN PYRUVATE DEHYDROGENASE COMPLEX" FEBS (FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES) LETTERS, vol. 240, no. 1-2, 1988, pages 45-48, XP002167030 ISSN: 0014-5793 * the whole document *	1-8, 10-12	TECHNICAL FIELDS SEARCHED (Int.Cl.7) C12Q
D,Y	SCHAFFER A J ET AL: "DNA VARIATION AND THE FUTURE OF HUMAN GENETICS" NATURE BIOTECHNOLOGY,NATURE PUBLISHING,US, vol. 16, January 1998 (1998-01), pages 33-39, XP000890128 ISSN: 1087-0156 * the whole document *	1-8, 10-12	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 May 2001	Examiner Hagenmaier, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03 82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT															
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)												
D,Y	WO 97 40462 A (SPECTRA BIOMEDICAL INC) 30 October 1997 (1997-10-30) * the whole document * ---	1-8, 10-12													
D,Y	NOLLAU ET AL: "Methods for detection of point mutations" CLINICAL CHEMISTRY,US,AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY. WINSTON, vol. 43, no. 7, 1997, pages 1114-1128, XP002109368 ISSN: 0009-9147 * the whole document * ---	1-8, 10-12													
Y	WO 99 40222 A (VARIAGENICS INC) 12 August 1999 (1999-08-12) * the whole document * ---	1-8, 10-12													
A	PATEL MULCHAND S ET AL: "Mammalian alpha-keto acid dehydrogenase complexes: Gene regulation and genetic defects." FASEB JOURNAL, vol. 9, no. 12, 1995, pages 1164-1172, XP002167026 ISSN: 0892-6638 * the whole document * -----														
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)												
The present search report has been drawn up for all claims															
Place of search THE HAGUE		Date of completion of the search 10 May 2001	Examiner Hagenmaier, S												
<table border="0"><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>T : theory or principle underlying the invention</td></tr><tr><td>X : particularly relevant if taken alone</td><td>E : earlier patent document, but published on, or after the filing date</td></tr><tr><td>Y : particularly relevant if combined with another document of the same category</td><td>D : document cited in the application</td></tr><tr><td>A : technological background</td><td>L : document cited for other reasons</td></tr><tr><td>O : non-written disclosure</td><td>&amp; : member of the same patent family, corresponding document</td></tr><tr><td>P : intermediate document</td><td></td></tr></table>				CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention	X : particularly relevant if taken alone	E : earlier patent document, but published on, or after the filing date	Y : particularly relevant if combined with another document of the same category	D : document cited in the application	A : technological background	L : document cited for other reasons	O : non-written disclosure	& : member of the same patent family, corresponding document	P : intermediate document	
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EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 0271

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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10-05-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 8804689      A	30-06-1988	AT      139259 T	15-06-1996
		AU      604087 B	06-12-1990
		AU      1086888 A	15-07-1988
		DE      3751834 D	18-07-1996
		DE      3751834 T	07-11-1996
		EP      0293471 A	07-12-1988
		JP      2875226 B	31-03-1999
		JP      9308490 A	02-12-1997
		JP      11075864 A	23-03-1999
		JP      2815582 B	27-10-1998
		JP      1502077 T	27-07-1989
		NZ      222942 A	25-06-1991
		US      5196319 A	23-03-1993
		US      5891436 A	06-04-1999
		ZA      8709403 A	23-06-1988
WO 9740462      A	30-10-1997	AU      2734197 A	12-11-1997
		EP      0897567 A	24-02-1999
		JP      2000508912 T	18-07-2000
WO 9940222      A	12-08-1999	AU      2482899 A	23-08-1999
		EP      1053352 A	22-11-2000
		US      6110684 A	29-08-2000